

## SPECIFICATIONS

### Headlamp and 3W Solar Charger

Headlamp with 3W focussed LED

100 Lumens.

3W polycrystalline solar panel array.

2600mAh li-ion battery compartment.

USB connection cable.

Three LED settings: bright, power saver, flash.



See our entire product range: [www.freeplayenergy.com](http://www.freeplayenergy.com)

## Headlamp & 3W Solar Charger

Headlamp, with adjustable beam angle and solar charger



Model: Freeplay Solar Headlamp



User guide / Instruction Manual

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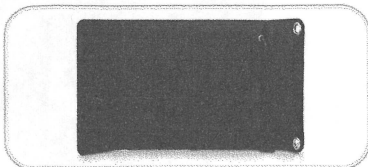
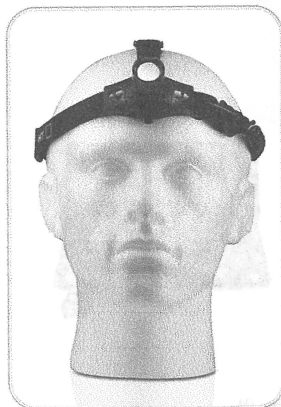
## Headlamp & 3W Solar Charger

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### 1. INTRODUCTION

The Freeplay headlamp has a brightly focussed 3W LED, powered by a 2600mAh Li-ion battery in a compartment on the rear of the headband. The battery is recharged by a foldable 3W polycrystalline solar panel array, encased in a tough fabric envelope. The solar array recharges the Li-ion battery via a cable and mini USB plug. The battery may also be recharged from a standard USB power source if available. The headlamp has three settings: bright, power saver and flash.

Follow the installation instructions carefully.



### 2. COMPONENTS

- A Headlamp, with adjustable beam angle
- B On/off/intensity/flash switch.
- C Adjustable head band.
- D Battery compartment.
- E Solar array in foldable fabric envelope.
- F Polycrystalline solar panels.
- G Solar-power output connecting cable.



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### 3. USING YOUR HEADLAMP 3W SOLAR CHARGER

- Unfold the envelope and connect the cable to the power-in socket in the headlamp battery compartment.
- **Fully charge the battery before first using the headlamp**
- Expose the panels to direct sunlight. Tilt the panels if necessary so that the sun's rays fall vertically onto the panels. The 3W-rated panels develop their peak power when the sun is at maximum strength and its rays fall vertically into the panels.
- The headlamp may also be recharged from a standard USB source.
- It will take approximately 5 hours of full, direct sunlight to fully recharge the headlamp battery.
- To turn the headlamp on;
  - o press the silver coloured switch once for the brightest setting
  - o press again for a lower intensity light
  - o Press again for a flashing light
  - o Press once more to turn the light off

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